Data Warehouse vs Discovery Hub®

▪ Evolution from manual to automated

- Single data model
- Developer Lock-in
- Multiple sources
- Improved data quality

- Data history
- Optimized for query and analysis
- Independent security model
- Scheduling

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- Cost reduction
- Uniform development
- Templates

- Error handling
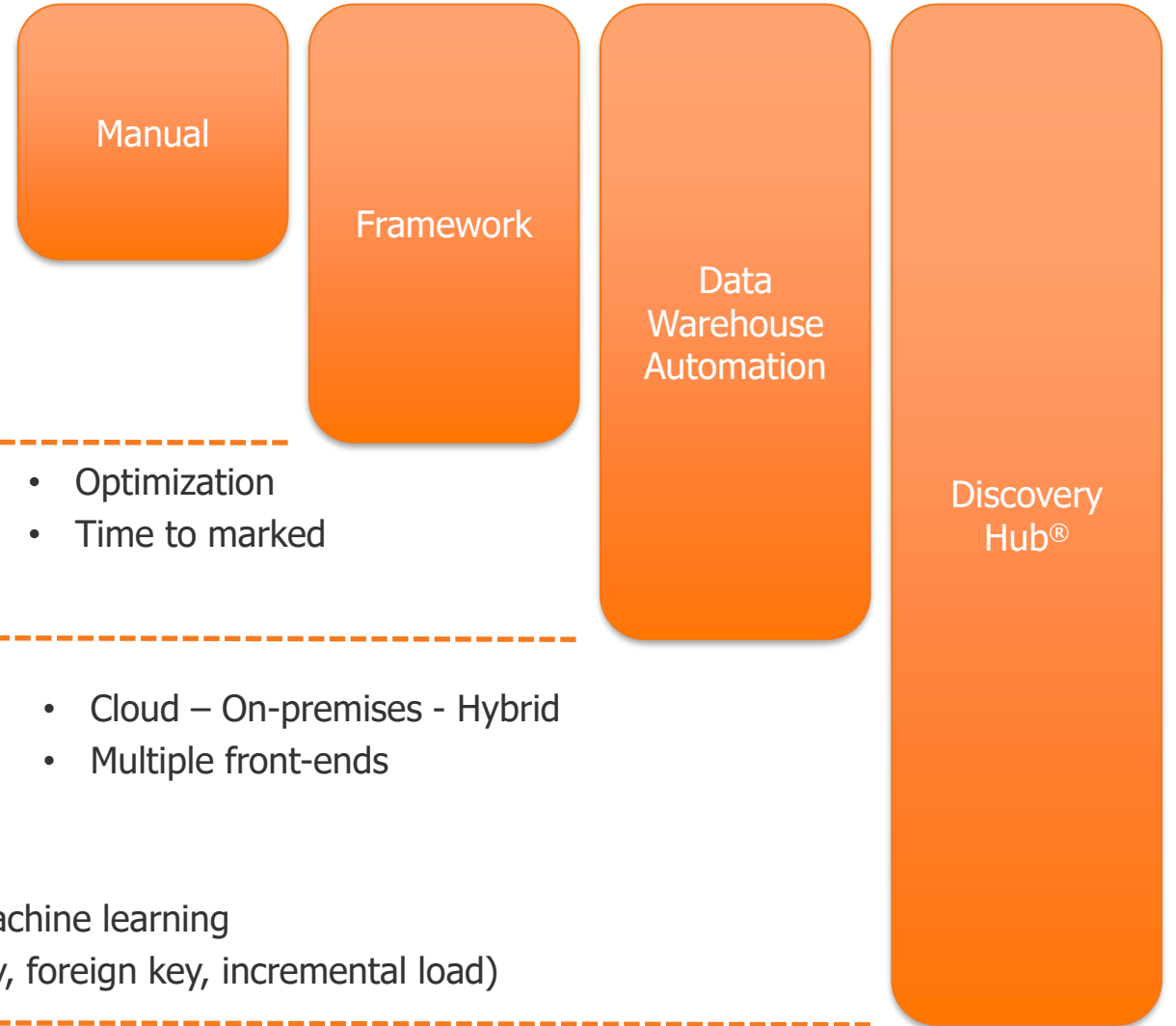- Terms & Definitions

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- Drag-drop interface
- Cost reduction
- Metadata modelling

- Agility
- Version control
- Automated documentation

- Optimization
- Time to marked

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- Impact Analysis
- Cost reduction
- Full Data Lineage
- Data Source adapters
- Related Data Source
- Data source template

- Common semantic model
- Cubestore
- Full integration to existing DW
- Multiple Environment automation
- Managed Execution (Parallel) – Machine learning
- Metadata automation (primary key, foreign key, incremental load)

- Cloud – On-premises - Hybrid
- Multiple front-ends

Manual

Framework

Data Warehouse Automation

Discovery Hub®

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Quotes

"I would recommend TimeXtender to anyone with DWA and reporting needs." With a laugh, Antony added, "just know, if you engage TimeXtender, get ready to evolve. Real time data, accessible by everyone in the organization, is a game changer, for everyone."
Anthony Antony, Head of ERP Applications, Mott Corporation

"We were skeptical to say the least. When we did our research we were told that it would take months to build a data warehouse. So when these guys did it in a matter of minutes, we were sold!"
Allan Nordestgaard, Dept. Manager of IT-development and BI-project, VIA

"That's where the 'TimeXtender magic' comes in. All our data acquisition and aggregation processes can now be automated, and the transformation rules written into the database build process."
Harmony Crawford, Associate Director of Marketing Sciences, POSSIBLE

"Time to result has been spectacular! TimeXtender simply helped us automate the technical process, just like Qlik has helped us deliver striking visuals."
Thomas Truyens, Change Manager, Intersig (AX)

"In the year since we implemented TimeXtender, it has already paid for itself several times" **Tomas Guldberg Hansen, CFO, Pindstrup Mosebrug. (NAV)**

TimeXtender is what I call 'a magic tool'. We could develop a solution in about one fifth of the time of what we needed with the classical tools".
Luc Cos, Managing Partner, CALM – Co

"In six weeks TimeXtender has accomplished what others have tried to do in six months with SAP BW"
Jesper Daugaard, Marketing Director, Secop (SAP)

"This is the most effective development-environment I have seen (after 18 years in IT). Real time between data source and staging area is great!"
Svein Bjørnstadt, Dolphin Drilling (SAP)

"Before, it took us three days to build a new BI report, now we fix the job in only 45 minutes. We can say without hesitation that TimeXtender saves us 80% in time." –
Frederic De Meyer, Market Intelligence Manager, Cisco Europe (SAP)

Manual vs. Automation
- Development

Manual	Task	Automated
Quality of developer Must coordinate with co-developers Handover – individual person dependent Risk of inconsistency Versions – none or 3rd party solution (Team Foundation)	**Quality of Solution**	Discovery Hub functionality Coordination through Team developer functionality Handover – not dependent Consistent by autogenerated code Metadata driven Versions
Business requirement Architecture Framework Modeling Coding/Scripting Business logic	**Focus**	Business requirement Modeling Business logic
Manual, 3rd party solution, or none	**Documentation**	Automated • Full documentation (Source - > Front-end) • Data Impact documentation (Tagged data)

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Manual vs. Automation
- Operations

Manual	Task	Automated
Index – manual Keys (Logical, surrogate, or HASH-based) typically defined at project start (time to change = high) Code optimized – manual	**Performance**	Index – automatically generated based on constraints Keys (Logical, surrogate, or HASH-based) (time to change = low) Automated HASH generators Code optimized – with new versions of Discovery Hub
Manual execution plan - Sensitive to changes Parallel execution – manual develop and maintain	**Data load**	Automated execution plan – changes automatically Parallel execution – Automated Multiple execution packages – easy to build/maintain Support full load schedules of incremental loads
Multi environment support Manual transfer between environments	**Environments**	Multiple environment support Automated transfer between environments Environment access rights Versions

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